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PART NUMBER BLOCK	
PART NUMBER	REV
6EXNIF15.001	2

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	2	RELEASE TO FILE	05/20/2015	VICENT PU

- NOTES:
1. OVER PLATING IS UNACCEPTABLE.
 2. PATTERN VERSION: P04.
 3. "Φ" ARE THE KEY DIMENSION.
 4. 3D CAD MODELING HAS HIGHER PRIORITY DURING 2D DRAWING IN LACK OF DETAIL DESCRIPTIONS.
 5. BETWEEN PATTERN TO DATUMS TOLERANCE IS ±0.15.
 6. BETWEEN PATTERN TO PATTERN TOLERANCE IS ±0.10.
 7. PLATING THICKNESS DEFINITION: 8umCu<10um, 200i<4um, 0.1umcde<0.2um
 8. BUY ITEM:

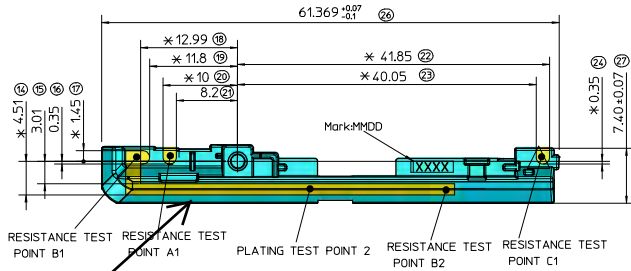
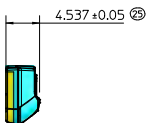
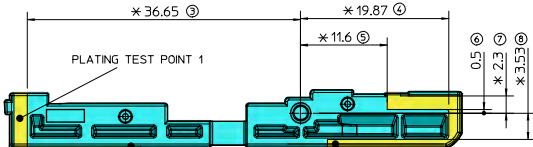
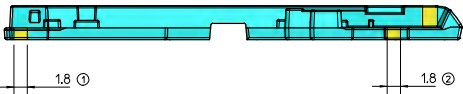
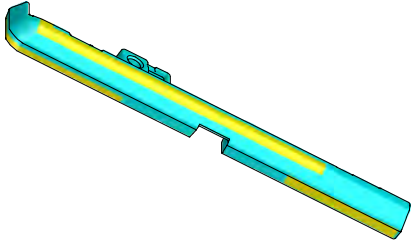
TEST ITEM	DESCRIPTION
1. 高温保存	試験温度: 最大定格保存温度 +85℃の高温試験をお願いします 試験時間: 240時間・Sample size: 7
2. 低温保存	試験温度: -40℃・試験時間: 240時間 Sample size: 6
3. 高温高湿保存	試験温度: 40±2℃・相対湿度: 90~95%RH 試験時間: 240時間・Sample size: 10
4. 温度cycling	温度サイクル種のTTPRにより2通りの試験環境グラフです。 -20℃ ~ +85℃のサイクル試験を24時間で詳細します Sample size: 6 method 2: 試験 T1 T2 T3 T4 温度 tztgmin 5-35 tztgmax 5-35 時間 30m under 5m 30m under 5m
5. 温度湿度cycling	sample size: 10 試験 時間 温度 相対湿度 a 2.5 - 90~95%RH b 3 85 90~95%RH c 2.5 - 90~95%RH d 2.5 - 90~95%RH e 3 85 90~95%RH f 2.5 - 90~95%RH g 1-4 25 90~95%RH h 3 -10 90~95%RH
6. 熱衝撃	-20℃~80℃, 30min/30min, 1hr/cycle, 100cycles, RampGain
7. 振動試験	温度: 85±2℃・振幅: 5N重量比温度 時間: 24時間(8時間加速/16時間休止3サイクル) Sample size: 2

Band-5(TX/RX)
Antenna Gain : under 2.0dBi
Impedance : 50ohm
V.S.W.R. : under 3.0

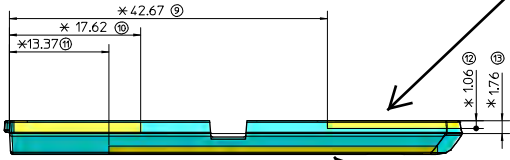
GSM850(TX/RX)
Antenna Gain : under 2.0dBi
Impedance : 50ohm
V.S.W.R. : under 3.0

Band-17(TX/RX)
Antenna Gain : under 2.0dBi
Impedance : 50ohm
V.S.W.R. : under 3.0

PCS1900(TX/RX)
Antenna Gain : under 2.0dBi
Impedance : 50ohm
V.S.W.R. : under 3.0



UMTS_B5/LTE_B17/GSM_850
TX/RX Antenna



PCS1900
TX/RX Antenna

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN mm AND TOLERANCES ARE:		DWG TITLE	
INTEGER DIMENSIONS	± 0.1	ELECTROPLATE, GP11D, LDS MAIN ANTENNA, SABIC NX10302, XNIF-SH1	
1 PLACE DECIMAL	± 0.1	SIZE	DWG NO.
2 PLACE DECIMALS	± 0.05	A4	6EXNIF15.001
MATERIAL: SABIC NX10302		SCALE	1:1
FINISH: SEE NOTES		SHEET	
DRAWN KING_JING		REV	
ENGR VINCENT_TSENG		2	
APVD VICENT PU			
APPLICATION			

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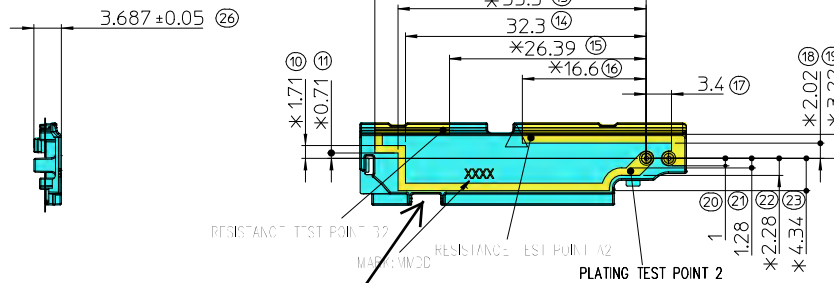
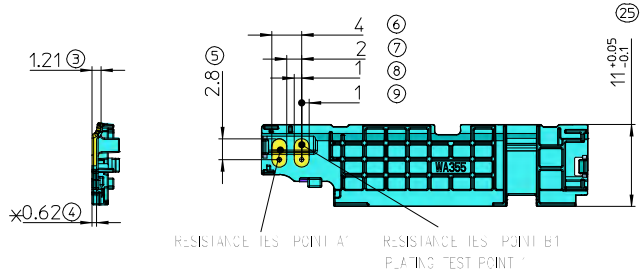
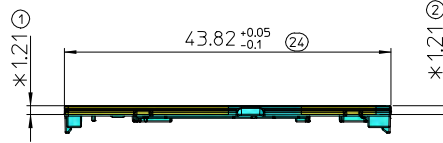
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WNC PROPRIETARY

PART NUMBER BLOCK	
PART NUMBER	REV
6EXDAQ15.001	1

REVISIONS			
ZONE	REV	DESCRIPTION	DATE
	1	RELEASE TO FILE	05/15/2015



UMTSU_B5/LTE_B17
RX Antenna

Band-5(RX)
Antenna Gain : under 2.0dBi
Impedance : 50ohm
V.S.W.R : under 3.0

Band-17(RX)
Antenna Gain : under 2.0dBi
Impedance : 50ohm
V.S.W.R : under 3.0

NOTES:

1. SURF PLATING IS UNANODIZED.
2. PLATING ENDS 100μm.
3. 100μm ARE THE KEY DIMENSION.
4. 3D CAD MODELING HAS HIGHER PRIORITY DURING 3D DRAWING IN LACK OF DETAIL DESCRIPTIONS.
5. BETWEEN PATTERN TO PATTERN TOLERANCE IS ±0.15.
6. BETWEEN PATTERN TO PATTERN TOLERANCE IS ±0.10.
7. PLATING THICKNESS DEFINITION: 6um<Q≤10um, 3um<K≤4um, 0.1um<A≤0.2um (PARTIAL A.)
8. TEST ITEM:

TEST ITEM	DESCRIPTION
1. 高湿保存	試験温度: 最大定格保存温度 -85℃での高湿試験をおこないます 試験時間: 240時間・Sample size: 7
2. 低温保存	試験温度: -40℃・試験時間: 72時間 Sample size: 8
3. 高湿高湿保存	試験温度: 45±2℃・相対湿度: 95±5% 試験時間: 240時間・Sample size: 10
4. 温度サイクル	温度サイクル中のT/Pにより2通りの試験環境グラフです。 -20℃ ~ +85℃でのサイクル試験を24時間で評価します Sample size: 8 Method 1: 段階 温度 Isgrmin 11 2 13 4 温度 Isgrmin 5~35 5~35 5~35 5~35 時間 30min 30min 30min 30min
5. 普通環境下	Sample size: 10 段階 時間 温度 相対湿度 a 2.5 - 35~55%RH b 3 65 30~55%RH c 2.5 - 65~85%RH d 2.5 - 65~85%RH e 3 65 30~55%RH f 2.5 - 35~55%RH g 1~4 25 80~95%RH h 3 -10 30~55%RH
6. 熱衝撃	-20℃/30min/30min/1hr/cycle, 100cycles, Ramp: 2min
7. 熱水噴霧	温度: 35±2℃・湿度: 5%重量比湿度 時間: 24時間・8時間噴霧 (時間休止: サイクル) Sample size: 2

		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN mm AND TOLERANCES ARE:				 睿新科技股份有限公司 11220, Xinyi 1st Floor, Taipei, Taiwan, R.O.C. Tel: 886-2-2718-8833 Fax: 886-2-2718-8834	
		INTEGER DIMENSIONS 1 PLACE DECIMAL 2 PLACE DECIMALS		ANGULAR DIMENSIONS HOLES UNDER Ø 5.00			
		MATERIAL: SABIC NX10302				DWG TITLE	
		FINISH: SEE NOTES				ELECTROPLATE, GP11D, LDS SUB ANTENNA, SABIC NX10302, XDAQ-SH1	
81XDAQ15.G01		XDAQ-SH1				SIZE DWG NO.	
NEXT ASSY		USED ON				6EXDAQ15.001	
APPLICATION				DRAWN KING_JING 05/15/2015		REV 1	
		ENGR VINCENT_TSENG 05/15/2015		SCALE 1:1		SHEET 01	
		APVD VINCENT PU 05/15/2015					

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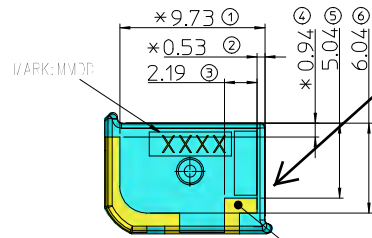
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PART NUMBER BLOCK	
PART NUMBER	REV
6EXNIF15.011	2

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	2	MODIFY	05/20/2015	VICENT PU

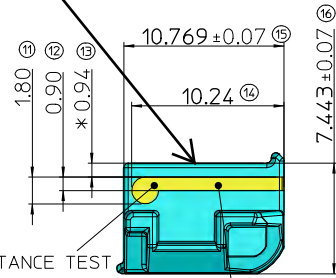
WLAN2.4G/WLAN5G/Bluetooth
Main Antenna(#1)



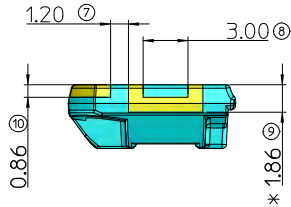
RESISTANCE TEST
POINT A1



RESISTANCE TEST
POINT A2



PLATING TEST
POINT 1



WLAN2.4G/WLAN5G/Bluetooth
Antenna Gain : under 2.14dBi
Impedance : 50ohm
V.S.W.R. : under 3.0

NOTES:

1. OFFER ATTACH IS UNACCEPTABLE.
2. PATTERN: MINIMUM: 30°.
3. * ARE THE KEY DIMENSION.
4. 3D CAD VOLUME HAS HIGHER PRIORITY DURING 2D DRAWING IN LEAF OF DETAIL DESCRIPTIONS.
5. BETWEEN PATTERN TO DATUMS TOLERANCE IS ±0.5.
6. BETWEEN PATTERN TO PATTERN TOLERANCE IS ±0.10.
7. PLATING THICKNESS DIFFERENCE: 5um<Q<10um, 2<dk<4um, 0.5um<L<0.2um
8. FQI TEST:

TEST ITEM	DESCRIPTION																																							
1. 高温保存	試験温度: 最大定格保存温度 +85℃の高温試験をお願い致します 試験時間: 240時間・Sample size: 7																																							
2. 低温保存	試験温度: -40℃・試験時間: 240時間 Sample size: 7																																							
3. 高温高湿保存	試験温度: 40±2℃・相対湿度: 90~95%RH 試験時間: 240時間・Sample size: 7																																							
4. 温度cycling	温度サイクル槽の11PLにより2通りの試験環境グラフです -20℃ ~ +85℃のサイクル試験を24時間で評価願います Sample size: 7 <table><tr><th>試験項目</th><th>T1</th><th>T2</th><th>T3</th><th>T4</th></tr><tr><td>温度</td><td>1stmin</td><td>5~35</td><td>1stmax</td><td>5~35</td></tr><tr><td>時間</td><td>30min</td><td>under 5m</td><td>30min</td><td>under 5m</td></tr></table>	試験項目	T1	T2	T3	T4	温度	1stmin	5~35	1stmax	5~35	時間	30min	under 5m	30min	under 5m																								
試験項目	T1	T2	T3	T4																																				
温度	1stmin	5~35	1stmax	5~35																																				
時間	30min	under 5m	30min	under 5m																																				
5. 温度cycling	sample size: 7 <table><tr><th>段階</th><th>時間</th><th>温度</th><th>相対湿度</th></tr><tr><td>a</td><td>2.5</td><td>-</td><td>30~96%RH</td></tr><tr><td>b</td><td>3</td><td>35</td><td>90~96%RH</td></tr><tr><td>c</td><td>2.5</td><td>-</td><td>30~96%RH</td></tr><tr><td>d</td><td>2.5</td><td>-</td><td>30~96%RH</td></tr><tr><td>e</td><td>3</td><td>35</td><td>90~96%RH</td></tr><tr><td>f</td><td>2.5</td><td>-</td><td>90~96%RH</td></tr><tr><td>g</td><td>1~4</td><td>25</td><td>30~96%RH</td></tr><tr><td>h</td><td>3</td><td>-10</td><td>30~96%RH</td></tr></table>				段階	時間	温度	相対湿度	a	2.5	-	30~96%RH	b	3	35	90~96%RH	c	2.5	-	30~96%RH	d	2.5	-	30~96%RH	e	3	35	90~96%RH	f	2.5	-	90~96%RH	g	1~4	25	30~96%RH	h	3	-10	30~96%RH
段階	時間	温度	相対湿度																																					
a	2.5	-	30~96%RH																																					
b	3	35	90~96%RH																																					
c	2.5	-	30~96%RH																																					
d	2.5	-	30~96%RH																																					
e	3	35	90~96%RH																																					
f	2.5	-	90~96%RH																																					
g	1~4	25	30~96%RH																																					
h	3	-10	30~96%RH																																					
6. 熱衝撃	-20℃~80℃/30min/30min/hr/1cycle: 100cycles, Ramp: 5min																																							
7. 豊水噴霧	温度: 40±2℃・塩水: 3%重量比濃度 時間: 24時間/8時間噴霧/16時間休止(3サイクル) Sample size: 7																																							

		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN mm AND TOLERANCES ARE: INTEGER DIMENSIONS: 1 PLACE DECIMAL, 2 PLACE DECIMALS ANGULAR DIMENSIONS: 1 PLACE DECIMAL, 2 PLACE DECIMALS HOLES UNDER Ø5.00		WNC 香港科技控股有限公司 152 Yee Hong Street, Tseung Kwan O, New Territories, HONG KONG Tel: (852) 2412 1111 Fax: (852) 2412 1112 Email: info@wnc.com.hk
MATERIAL: SABIC NX10302		FINISH: SEE NOTES		DWG TITLE ELECTROPLATE, GP11D, LDS WLAN MAIN ANTENNA, SABIC NX10302, XNIF-SH2
DRAWN: KING_JING		05/20/2015		SIZE: DWG NO. 6EXNIF15.011
ENGR: VINCENT_TSENG		05/20/2015		REV 2
APVD: VICENT PU		05/20/2015		SCALE: 2:1 SHEET
APPLICATION				

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WNC PROPRIETARY

PART NUMBER BLOCK

PART NUMBER	REV
6EXDAQ15.011	2

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED
	2	MODIFY	05/20/2015	VICENT PU

A

A

B

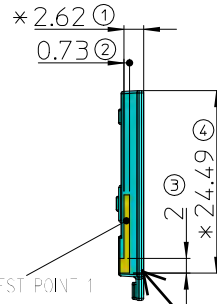
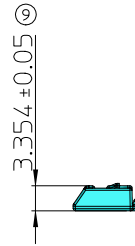
B

C

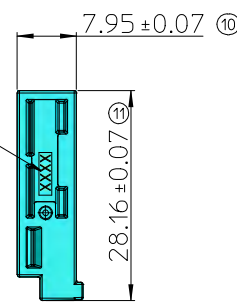
C

D

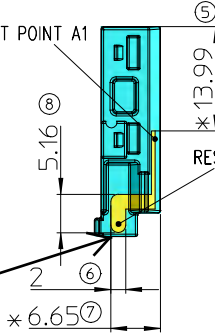
D



MARK: MMDD



RESISTANCE TEST POINT A1



RESISTANCE TEST POINT A2

WLAN2.4G/WLAN5G
Sub Antenna(#2)WLAN2.4G/WLAN5G
Antenna Gain : under 2.14dBi
Impedance : 50ohm
V.S.W.R. : under 3.0

NOTES:

1. SURF PLATING IS UNACCEPTABLE.
2. PATTERN VERSION: F04.
3. "*" ARE THE KEY DIMENSION.
4. 3D CAD MODELING HAS HIGHER PRIORITY DURING 3D DRAWING IN LACK OF DETAIL DESCRIPTIONS.
5. BE WELL PAID ATTENTION TO DIMENSIONS ±0.10.
6. BETWEEN PATTERN TO PATTERN DIFFERENCE IS ±0.10.
7. FINISHING TOLERANCES: 6mm<L<10mm, 2<W<6mm, 0.1mm<L<0.2mm.
8. FQI ITEM:

TEST ITEM	DESCRIPTION
1. 高温保存	試験温度: 最大定格保存温度 +85℃の高温試験をお願いします 試験時間: 240時間 / Sample size: 7
2. 低温保存	試験温度: -40℃ / 試験時間: 240時間 Sample size: 8
3. 高温高湿保存	試験温度: 40±2℃ / 相対湿度: 90~95%RH 試験時間: 240時間 / Sample size: 10
4. 温度cycling	温度サイクル槽のTTEにより2通りの試験環境グラフです -20℃ ~ +85℃のサイクル試験を24時間で計画願います Sample size: 8 method 2: 段階 温度 Tsigmin 5~35 Tsigmax 5~35 時間 30min under 30min 30min under 30min
5. 温度湿度cycling	sample size: 10 段階 時間 温度 相対湿度 a 2.5 - 90~95%RH b 3 65 90~95%RH c 2.5 - 90~95%RH d 2.5 - 90~95%RH e 3 65 90~95%RH f 2.5 - 90~95%RH g 1~4 25 90~95%RH h 3 -10 80~95%RH
6. 熱衝撃	-20℃~30℃/30min/1hr / cycles: 100cycles, Ramp<min
7. 雨水噴霧	温度: 35±2℃ / 噴水: 30重量比濃度 時間: 24時間, 8時間噴霧 / 3時間休止 / サイクル Sample size: 2

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS

ARE IN mm AND TOLERANCES ARE:

INTEGER DIMENSIONS
1 PLACE DECIMAL
2 PLACE DECIMALSANGULAR DIMENSIONS
HOLES UNDER Ø5.00

MATERIAL: SABIC NX10302

FINISH: SEE NOTES

DRAWN KING_JING

ENGR VINCENT_TSENG

APVD VICENT PU

05/20/2015

05/20/2015

05/20/2015

WNC

勝安科技股份有限公司
110, Sec. 2, Keelung Rd., Keelung City, Taiwan, R.O.C.
Tel: 886-3-9070700 Fax: 886-3-9070701

DWG TITLE

ELECTROPLATE, GP11D, LDS WLAN SUB ANTENNA, SABIC NX1030, XDAQ-SH2

SIZE

DWG NO.

A-4

SCALE

1:1

SHEET

DI

6EXDAQ15.011

REV

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